

Memorandum

EP 66-137
DATE: 17 June 1966

TO : The Files: Contract 3640-2105-4
25X1A9a

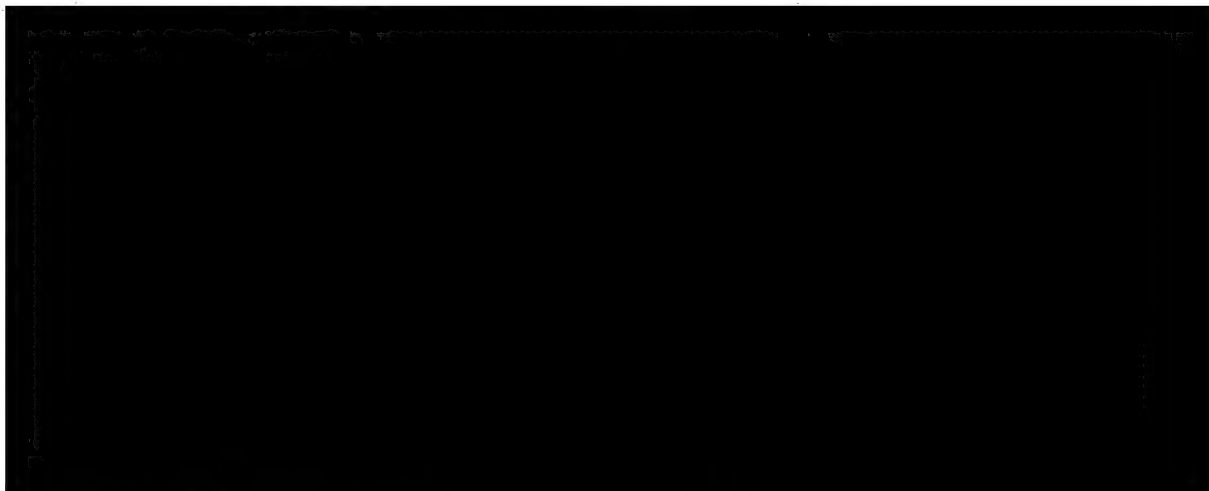
FROM : Mr. [REDACTED]

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SUBJECT: Inspection Report No. 5 - RT-49/RP-49 with [REDACTED]

1. Project Description:

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2. Contractual Information:

- a. Target Cost: \$152,595.00
- b. Request for Procurement Action: 24 June 1964
- c. Initiation Date: 29 June 1964
- d. Completion Date: 1 June 1965
- e. Deliverable Items: 300 RT-49's, 150 RP-49's

3. Date of Meeting: 31 May 1966

4. Place of Meeting: Falls Church, Virginia

5. Persons Attending:



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5. Persons Attending:

Agency

Non-Agency

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Mr.
Mr.

[REDACTED]

[REDACTED]

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6. Contractor's Performance:

- a. On schedule and expected to remain so: No
- b. Within obligated funds and expected to remain so: No
- c. Satisfactory technical progress: Yes

7. Project Status:

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[REDACTED] delivered ten preproduction models late last summer and was given authorization to proceed with production last September. The program was turned over to their West Virginia facility for production.

The first production units began arriving at our warehouse in early February. Several deliveries have been made since then. While the power supplies have been acceptable, we have not been as lucky with the transmitters. All of the 27 transmitters delivered were rejected. These units were all rejected for poor workmanship— top and bottom covers did not match, screws improperly seated, paint poorly applied, etc.

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At this meeting, [REDACTED] displayed one of the latest transmitters to be completed. Visual inspection of this unit showed no apparent deficiencies. [REDACTED] therefore, felt that they had overcome the difficulties in building the RT-49 as far as mechanical problems are concerned, and delivery could proceed rapidly. Approximately 30 units are virtually completed and were being held at West Virginia pending our inspection of the first transmitter. Another 75 units are essentially completed with only assembly of the heat sink, main chassis, and back cover remaining.

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[REDACTED] feels a problem exists. . . .

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[REDACTED] feels a problem exists in meeting the power output specification. A number of units were measured at the low, middle, and high end of each band when operated into a 40 ohm resistive load. The average power for the ten prototypes was measured last fall as 14.3 watts, 15.2 watts, and 13.7 watts for Bands 1, 2, and 3 respectively. (These measurements could not be duplicated the week prior to this meeting.) Figures

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supplied to [REDACTED] by us on ten service test models built by [REDACTED] indicate 11.9, 12.9, and 10.7 watts average under similar conditions.

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The average reading of 28 [REDACTED] production units was 14.1, 11.5, and 11.5 watts, while the average for another 21 [REDACTED] units was 15.4, 13.1, and 12.1. This latter group of 21 units was produced with more care toward selecting final transistors than was exercised in the group of 28 units. [REDACTED] proposed the following acceptance criterion--each transmitter submitted must meet a minimum average power output equal to that of the ten [REDACTED] produced transmitters. By this criterion, nine of the 21 [REDACTED] units would have been rejected.

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A number of agreements were reached. [REDACTED] will continue to build the RT-49 in West Virginia except for final alignment and assembly. This last step will be performed at Falls Church where [REDACTED] engineering personnel can keep closer control. [REDACTED] will have a quantity of transmitters shipped to Falls Church on 3 June 1966. These will be inspected visually and electrically at Falls Church and then hand-carried to T&I. Based upon the results of T&I's inspection we may accept, reject, or modify our acceptance criteria. No change in acceptable output power was agreed to at this meeting. [REDACTED] was complimented on the amount of data they had compiled concerning power output but we deferred considering any changes until we have an opportunity to test the next group of transmitters delivered.

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Distribution:

R&D Subject File
OL/PD/PCB/CAS
R&D Lab
OC-OS
ESB
Monthly (3)
EP Chrono

25X1A9a OC-E/R&D-EP/[REDACTED]/bjp

(17 June 1966)

~~SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification